Cloud Spotter

Kit contains:

- 2 Cloud Spotter Frame Sheets
- 2 Cloud Spotter Card Sheets
- 1 Jumbo Craft Stick

You will need: scissors, tape, and glue.

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INSTRUCTIONS

Step 1. Cut the center rectangles out of your cloud spotter frame sheets. Cut out each of the 8 individual cloud spotter cards.

Step 2. Carefully fold each cloud spotter card along the bottom of the picture so that the picture and the description of the cloud face opposite directions. Glue the sides together.

Step 3. Arrange the cloud spotter cards around one of the cloud spotter frames so that they do not interfere with the hole in the middle.

Step 4. Tape each cloud spotter card in place along its top edge so the card can be flipped up.

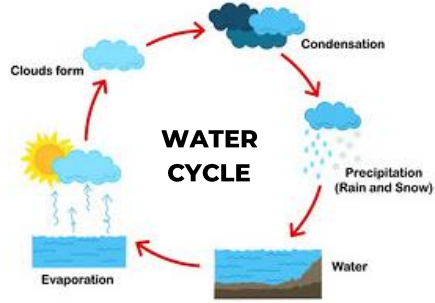
Step 5. Turn the cloud-covered frame over. Tape the craft stick to the back.

Step 6. Glue the second frame over the first, sandwiching the craft stick between them.

Try cloud-spotting! Head outside to spot clouds through the viewer. Which types can you spot? What kind of weather do they predict?

WHAT ARE CLOUDS AND WHAT DO THEY TELL US?

Clouds are made up of water droplets (liquid) that form when the sun heats up air and causes it to rise. As the air rises, it slowly cools until the water condenses and forms a cloud. Even though the water droplets are heavier than air, as long as there is warmer air rising underneath the cloud, they will float! Clouds are a part of the water cycle. When the air underneath the cloud cools enough, the droplets become too heavy to stay up in the sky. They fall from the sky in the form of rain or snow.



Different conditions in the atmosphere cause clouds to form into different shapes. Being able to spot the cloud shapes can help predict weather.